

Yong Jun Fai

+6011-16234326 | yongjunfai@gmail.com | <http://www.linkedin.com/in/yongjunfai> |
<https://github.com/EdwinYJF> | <https://yongjunfai.vercel.app/>

EDUCATION

Asia Pacific University of Technology & Innovation

Bachelor of Computer Science (Hons) in Artificial Intelligence

2022 Mac – 2025 Feb

- **CGPA:** 3.24 / 4.0
- Member of the **Google Development Student Club** and **AWS Cloud Club** of Asia Pacific University of Technology & Innovation (APU).

PROFESSIONAL EXPERIENCE

Gamer2Gamer Sdn. Bhd.

IT Intern (AI Team)

2024 Jan – 2024 Apr

- Developed algorithms to **detect skewness in scanned documents**, enhancing the overall accuracy of eKYC image processing.
- Applied **machine learning models** to automate the classification of mono photostat and colour photostat images, reducing manual review time and increasing processing speed.
- Contributed to the **creation of a robust image dataset**, ensuring diverse and balanced training data for accurate model predictions in varying conditions.
- Conducted **performance benchmarking and statistical analysis** to validate model predictions in eKYC applications.

PROJECT EXPERIENCE

Crop Leaf Diseases Classification (FYP)

- Developed **CropDoctor**, a mobile app using **MobileNetV3-large** for crop leaf disease detection, achieving **98% accuracy** with an intuitive interface for farmers and gardeners. My FYP was awarded the **second runner up** for **Best Computer Science Innovation Award**.

Accident Severity Prediction

- Developed a **predictive model** with Python using historical accident data, focusing on feature engineering with variables like location, weather, and traffic conditions.

Credit Card Fraud Detection

- Built a credit card fraud detection system with Python using **LightGBM** and **XGBoost** with data preprocessing, hyperparameter tuning, and **Optuna** optimization.

Hate Speech Detection

- Built a supervised machine learning model to classify tweets into hate speech, offensive language, or neutral categories, using data preprocessing and exploratory analysis with **NLTK**.

Loan Approval Prediction

- Developed a supervised machine learning model with python to predict loan approval based on demographic and financial data, implementing data preprocessing and exploratory analysis.

COMPETITION EXPERIENCE

PayHack 2024 Open Finance Hackathon

2024 Nov

- Developed a credit card fraud detection system using Python and LightGBM with data preprocessing, hyperparameter tuning, and plans for GAN integration.

AWS Jam Competition

2023 Nov

- We utilized **AWS services** to solve real-world problems in the competition. Our team, consisting of five members, including myself, secured the **6th place** out of 20 teams.

BAT x APU IDEATHON Generative AI Transforming FMCG Industry

2023 Sep

- Participated in brainstorming and contributed ideas to develop an unsupervised learning model for autonomous operations in the FMCG (Fast-Moving Consumer Goods) industry.
- Received a **consolation prize** among 20 participating teams in the BAT x APU IDEATHON on Generative AI Transforming FMCG Industry.

AWS DeepRacer

2023 Apr

- Participated in contributing ideas to create a reinforcement learning model for a machine learning-based autonomous racing car and participated actively in training the model.
- Achieved a commendable **12th place** out of **over 70 teams** in the APU AWS Deep Racer Competition.

LEADERSHIP EXPERIENCE

Chair of Computational Intelligence Society Chapter

IEEE APU Student Branch

2023 May – 2025 Feb

- **Event Director** for the “Be JamAI Base Advocate” workshop in collaboration with **Embedded LLM**, successfully attracting **100 participants** held at Asia Pacific University of Technology & Innovation.
- Organizing committee member of the **IEEE Student Conference on Research and Development (SCORED) 2023** held at Asia Pacific University of Technology & Innovation.
- Organizing committee member of the **IEEE SYWL Meetup 2023** held at Asia Pacific University of Technology & Innovation.
- Organizing committee member of the **ICDECT 2024 Conference** held at Asia Pacific University of Technology & Innovation.
- Organizing committee member of the event management team and emcee of the **APU Engineering’s Day**.

SKILLS & INTERESTS

Languages: Fluent in English, Mandarin, Bahasa Melayu, and Cantonese

Technical Skills: Python, Git, DVC, Pandas, Numpy, Pytorch, C, C++, Microsoft SQL, R, Java, Figma, LabVIEW

Certifications & Training: Machine Learning with Python ([IBM](#)), CCNA: Introductions to Networking (August 2022)

Interests: Passionate about machine learning, data science and its applications, continually exploring new techniques and advancements in the field and enthusiastic about software engineering.